



**Curriculum vitae
Europass**

Inserați fotografia. (rubrică facultativă, vezi instrucțiunile)

Informații personale

Nume / Prenume

Anton/Gabriela

Adresă(e)

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Naționalitate(-tăți)

Romana

Data nașterii

09.06.1955

Sex

F

Domeniul ocupațional

Cercetare stiintifica- medicina

Pozitia actuala

Cercetator stiintific gr I (din 2005), Sef Departament Virusologie Moleculara, Institutul de Virusologie "St. S. Nicolau"
Conducator doctorat domeniul Medicina, Academia Romana

Experienta profesionala anterioara

2000-2005 Cercetator stiintific gr II, Institutul de Virusologie "St. S. Nicolau"
2005-2011 Universitatea Politehnica din București, Departamentul de Bioinginerie și Biotehnologie, Master Biotehnologie (Inginerie genetică și biologie moleculară)
1997-2000 Cercetator stiintific gr III, Institutul de Virusologie "St. S. Nicolau"
1984-1997 Cercetator stiintific, Institutul de Virusologie "St. S. Nicolau"
1990-1997- doctorand, specialitatea biologie moleculara, Biochimie, Universitatea Bucuresti

Activități și responsabilități principale

cercetare stiintifica in domeniile biologie moleculara, virusologie, epigenetica;
management proiecte

Educație și formare

Perioada 1990-1997

Calificarea / diploma obținută

Doctorat

Disciplinele principale studiate /
competențe profesionale dobândite

Biologie moleculara/virusologie

Numele și tipul instituției de învățământ /
furnizorului de formare

Universitatea Bucuresti/Facultatea Biologie/ Sectia biochimie

Nivelul în clasificarea națională sau
internațională

Doctor in biologie

Perioada 1978

Calificarea / diploma obținută

Licenta

Disciplinele principale studiate /
competențe profesionale dobândite

Biochimie

Numele și tipul instituției de învățământ /
furnizorului de formare

Universitatea Bucuresti/Facultatea Biologie/ Sectia biochimie

Limba(i) maternă(e) Romana

Limba(i) străină(e) cunoscută(e)

Autoevaluare

Nivel european (*)

Limba engleza

Limba franceza

| Înțelegere | | Vorbire | | Scriere |
|------------|--------|----------------------------|--------------|------------------|
| Ascultare | Citire | Participare la conversație | Discurs oral | Exprimare scrisă |
| C2 | C2 | C2 | C2 | C2 |
| C1 | B2 | B1 | B1 | B2 |

(*) [Nivelul Cadrului European Comun de Referință Pentru Limbi Străine](#)

Competențe și aptitudini organizatorice

Organizare departamentala- Sef Dept Virusologie Moleculara
Membru consiliul stiintific al Institutului de Virusologie
Organizare manifestari stiintifice (seminarii, conferinte)
Trainer- curs FEBS –Inginerie genica- organizat de Institutul Biochimie-Bucuresti
Cadru didactic asociat-Universitatea Pitesti, master (Biochimie medicala)

Membru in panelul de experti domeniul Sanatate (coordonator Acad. Victor Voicu) pentru redactarea Strategiei Academiei Române de dezvoltare a României aparut in volumul Strategia Academiei Române de dezvoltare a României în următorii 20 de ani / coord.: Valentin-Ionel Vlad. Editura Academiei Române, Vol. 1-3

Competențe și aptitudini tehnice

Diagnostic virusologic, biologie moleculara, epigenetica.
Competențe și aptitudini de utilizare a calculatorului (Windows, Corel Draw),

Alte competențe și aptitudini

Curs de Biochimie (CEFOR) organizat de TEMPUS-Phare, Influenza Training Course (CDC-Atlanta-USA), European School of Oncology – Epigenetics and New Therapies in Cancer (Madrid), DNA methylation (Bonn, Germany); "EMBO Molecular Workshop (Amsterdam); Curs postuniversitar Multidisciplinary approach in management of PWS (Timisoara), Curs perfectionare management proiecte europene (atestat Ministerul Muncii si MEN),

Membru al societăților profesionale

Societatea Romana de Biochimie si Biologie Moleculara (SRBBM) afiliata FEBS (din 1996)
Societatea de Bioinginerie si Biotehnologie (2006- 2008)
Societatea de Imunologie din Romania (afiliata IUIS, EFIS, BAIS) (din 2008)
ESHG-European Society of Human Genetics
European Association of Cancer Research (EACR) (din 2005)

Informatii suplimentare

Autor a peste 220 articole si comunicari, indice Hirsch 9.
Director de proiect si membru in echipa a peste 25 proiecte nationale castigate prin competitie.
Expert in POSDRU 59497/2010-2013 (Training for implementing high technology in immunology laborator
Premiul Academiei Romane (1999) pentru o suita de lucrari privind implicarea virusurilor HPV in cancerul de col uterin
Premiul Eberle (Fundatia Cajal, 2008) pentru markeri ai reglarii epigenetice
Evaluator proiecte de cercetare (CNCSIS, CNMP, UEFISCDI)
Evaluator proiecte internationale (EURONANOMED)

Anexe

ANEXA 1 (lista lucrari reprezentative)
ANEXA 2 (lista proiecte)

Carti

1. **editor Anton G** (Anton AC, Bleotu C, Botezatu A, Huica I, Iancu IV, Melinte A, Goia-Rusanu C, Plesa A, Socolov D, Socolov R, Teleman S, Ungureanu C), *HPV Infection. Diagnostic and therapeutic guide*, Ed. Universitară Carol Davila (2010) (ISBN 978-973-708-489-9).
2. **Anton G**, Repanovici R (2003) - *Tehnologia clonării genelor*, Ed. Academiei (ISBN 973-27-0989-8), 208 pagini.
3. **Anton G**, Szedlacsek S, Plesa A, Szedlacsek D, Repanovici R, - *Biologie moleculara, mic dictionar ilustrat* - Ed. Enciclopedica (ISBN 973-45-0512-2), 144 pg, 2005

Capitole carte

- Botezatu A, Iancu IV, Popa O, Plesa A, Manda D, Huica I, Vladoiu S, Anton G, Badiu C.* Mechanisms of Oncogene Activation, published in *New Aspects in Molecular and Cellular Mechanisms of Human Carcinogenesis*, book edited by Dmitry Bulgin, ISBN 978-953-51-2253-1, Ed InTech)
- Bleotu C, Socolov D, Anton M, Botezatu A, Plesa A, Iancu IV, Brasoveanu LI, **Anton G**, Diaconu CC, *Interplay of Epigenetics with Gynecological Cancer*, published in *Gynecologic Cancers - Basic Sciences, Clinical and Therapeutic Perspectives*, book edited by Samir A. Farghaly (ISBN 978-953-51-2254-8, Ed InTech)
- Anton G**, Plesa A, Bleotu C, Botezatu A, Stoian M, Anton M, Brasoveanu LI, *Human Papillomaviruses Oncoproteins*, published in *Oncogene and Cancer - From Bench to Clinic* (ISBN 978-953-51-0858-0 Ed. InTech), 2013
- D Socolov, Bleotu, N Miron, RSocolov, L Boiculesc, M Mareş, N Sorici, V Moshin, A Botezatu, **G Anton**, *Correlation Between Chlamydia trachomatis IgG and Pelvic Adherence Syndrome*, published in *Chlamydia* (ISBN 978-953-308-64-8, Ed. InTech), 2012
- Bleotu C, **Anton G**, *The Indicators of Predicting Disease Outcome in HPV Carcinogenesis*, published in **Cervical Cancer** (ISBN 979-953-307-054-3, Ed. InTech), 2012
- Anton G**, Plesa A, Achim R, Repanovici R (2003) cap.I, vol. II in *Metode de analiza a genomului in "Genomica -un tratat despre genom, de la virusuri la om-"* (sub redactia Prof. Dr. Lucian Gavrilă), Ed. Enciclopedica (ISBN 973-45-0463-0 si ISBN 973-45-0465-7)

Lucrari: in jurnale indexate ISI

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- Rosca A, **Anton G**, Botezatu A, Temereanca A, Ene L, Achim C, Ruta S, *miR-29a associates with viro-immunological markers of HIV infection in treatment experienced patients.* J Med Virol. 2016 doi: 10.1002/jmv.24586
- Vladoiu S, Dinu Draganescu D, Botezatu A, **Anton G**, Oros S, Paun DL, Ianas O, Rosca R, Badiu C *Correlations between Polymorphisms of Estrogen 1, Vitamin D Receptors and Hormonal Profile in Infertile Men*, Acta Endo (Buc) 2016 12: 137-144 doi: 10.4183/aeb.2016.137
- Botezatu A, Puiu M, Cucu N, Diaconu CC, Badiu C, Arsene C, Iancu IV, Plesa A, **Anton G**. *Comparative molecular approaches in Prader-Willi syndrome diagnosis*, Gene. 2016; 575 :353-8. doi: 10.1016/j.gene.2015.08.058.
- Botezatu A, Bleotu C, Nastase A, **Anton G**, Bacalbasa N, Duda D, Dima SO, Popescu I. *Epigenetic Silencing of GNMT Gene in Pancreatic Adenocarcinoma*, Cancer Genomics Proteomics. 2015, 12 (1), 21-30
- Iancu IV, Botezatu A, Plesa A, Huica I, Sopcolov D, **Anton G**, *Histone lysine demethylases as epigenetic modifiers in HPV-induced cervical neoplasia*, Romanian Biotechnological Letters, 2015, 20 (2), 10236-10237
- Comanescu C, Bleotu C, Huica I, Radulescu M, Grancea C, **Anton G**, *Non-invasive method for the evaluation of IL-6 and IL-10 levels in patients with chronic hepatitis C*, Romanian Biotechnological Letters, 2015, 20 (6), 10921- 10927
- Plesa A, **Anton G**, Iancu IV, Diaconu CC, Huica I, Stanescu AD, Socolov D, Nistor E, Popa E, Stoian M, Botezatu A. *Molecular variants of human papilloma virus 16 E2, E4, E5, E6 and E7 genes associated with cervical neoplasia in Romanian patients.* Arch Virol. 2014, 159 (12), 3305-3320
- Botezatu A, Socolov R, Socolov D, Iancu IV, **Anton G**, *Methylation pattern of methylene tetrahydrofolate reductase and small nuclear ribonucleoprotein polypeptide N promoters in oligoasthenospermia: a case-control study*, Reprod Biomed Online. 2014 28(2):225-31. doi: 10.1016/j.rbmo.2013.10.010
- Botezatu A, Socolov D, Iancu IV, Huica I, Plesa A, Ungureanu C, **Anton G**. *Methylene tetrahydrofolate reductase (MTHFR) polymorphisms and promoter methylation in cervical oncogenic lesions and cancer*, J Cell Mol Med. 2013, doi: 10.1111/jcmm.12032
- Bleotu C, Chifiriuc MC, Grigore R, Grancea C, Popescu CR, **Anton G**, Cernescu C, *Investigation of Th1/Th2 cytokine profiles in patients with laryngo-pharyngeal, HPV-positive cancers.* Eur Arch Otorhinolaryngol. 2013, 711-8. doi: 10.1007/s00405-012-2067-7
- Miron ND, Socolov D, Mares M, **Anton G**, Nastasa V, Morris RF, Virág K, Anghelache-Lupaşcu I, Deák J, *Bacteriological agents which play a role in the development of infertility*, Acta Microbiol Immunol Hung. 2013 ;60(1):41-53. doi: 10.1556/AMicr.60.2013.1.5.
- Arsene C, Zarnescu O, Puiu M, **Anton G**, Botezatu A, Popa C, Cucu N, *Epigenetic approach of Prader-Willi syndrome diagnosis in Romanian population*, Romanian Biotechnological Letters, 2012, 17(6), 7846-7852
- Anton G**, Peltecu G, Socolov D, Cornitescu F, Bleotu C, Sgarbura Z, Teleman S, Iliescu D, Botezatu A, Goia CD, Huica I, Anton AC, *Type-*

specific human papillomavirus detection in cervical smears in Romania, APMIS 2011, 3, ISSN 0903-4641

- Botezatu A, Goia-Rusanu CD, Iancu IV, Huica I, Plesa A, Socolov D, Ungureanu C, **Anton G**, *Quantitative analysis of the relationship between microRNA-124a, -34b and -203 gene methylation and cervical oncogenesis* Molecular Medicine Reports; 2011, 4, 121-128, Doi: 10.3892/mmr.2010.39
- Mihai M., Valentin N., **Anton G.**, Bleotu C., Miron N., Socolov D. - *High prevalence of fluoroquinolones resistance in Ureaplasma and Mycoplasma strains isolated from infertile women under initial evaluation in north-east Romania* - Romanian Biotechnological Letters, 2011, 16, 5858-5862
- Bleotu C, Botezatu A, Goia C, Socolov D, Dragomir L, Popa E, Cornițescu F, Teleman S, **Anton G**, *hTERT expression as a potential diagnostic marker*, Romanian Biotechnological Letters, 2010, 15, 4922-4930,
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- Socolov D, **Anton G**, Anton E, Teleman S, Anton AC, Carauleanu A, Socolov R, *Distributia genotipurilor virusului papiloma uman la paciente din zona Moldovei*, Gineco.Ro, 2008, 4, 248-252,
- Diaconu CC, Bleotu C, Chivu M, Alexiu I, Petrusca D, **Anton G**, Achim R, Ruta S, Cernescu C– *The development of larger cells that spontaneously escape senescence – a step during the immortalization of a human cancer cell line –* J. Cell Mol. Med. 2004, 8, 93-101
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- Rosca A, **Anton G**, Ruta S, *microRNA biogenesis and its role in HIV-1 infection*, Roum Arch Microbiol Immunol, 2014, 73, 84-91
- Cernescu EC, **Anton G**, Ruță S, Cernescu C. *The effectiveness of cytological rescreening in the reduction of false negative/positive Pap reports.*, Roum Arch Microbiol Immunol. 2013, 72(2):93-104
- Hotnog D, Mihaila M, Iancu IV, Matei GG, Hotnog C, **Anton G**, Bostan M, Brasoveanu LI, *Resveratrol modulates apoptosis in 5-fluorouracyl treated colon cancer cell lines*, Roum Arch Microbiol Immunol, 2013, 72, 255-264
- Cernescu EC, **Anton G**, Ruta S, Cernescu C, *The effectiveness of cytological rescreening in the reduction of false negative/positive Pap reports*, Roum Arch Microbiol Immunol, 2013, 72, 93-104
- Goia-Ruşanu CD, Iancu IV, Botezatu A, Socolov D, Huică I, Pleşa A, **Anton G**. *Mitochondrial DNA mutations in patients with HRHPV-related cervical lesions*. Roum Arch Microbiol Immunol. 2011, 70(1):5-10
- Iancu IV, Botezatu A, Goia-Ruşanu CD, Stănescu A, Huică I, Nistor E, **Anton G**, Pleşa A. *TGF-beta signalling pathway factors in HPV-induced cervical lesions*. Roum Arch Microbiol Immunol. 2010 Jul-Sep;69(3):113-8.
- Ungureanu C, Teleman S, Socolov D, **Anton G**, Mihailovici MS., *Evaluation of p16INK4a and Ki-67 proteins expression in cervical intraepithelial neoplasia and their correlation with HPV-HR infection*, Rev Med Chir Soc Med Nat Iasi, 2010, 114(3):823-828;
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- Bleotu C, Plesa A, Iancu IV, Huica I, Dragusel R, Socolov D, Teleman S, Iliescu D, Peltecu G, **Anton G**, *Role of p14 INK4A, hTERT and kras in early detection of gynecological malignancies*, Proc. Rom Acad, 2009, 1, 25-30, ISSN 1454-8267
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- Bleotu C, Plesa A, Botezatu A, Goia C, Dragusel R, Socolov D, Cornitescu F, Teleman S, **Anton G**, *k-ras epression -marker of dysplasia and cancer*, acceptat Roum Arch Microbiol Immunol 2009, 4, 195-200,

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- Bleotu C, Botezatu A, Goia CD, Socolov D, Cornitescu F, Telesman S, Huica I, Iancu IV, **Anton G**, *P16INK4a –a possible marker in HPV persistence screening*, Rom Arch Microbiol Immunol, 2009, 68, 183-189,
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- CD Goia, C Bleotu, C Antipa, AR Lupu, M Cloșca, O Ciocan, **Anton G**- *Correlation between pro- and anti-apoptotic gene expression and telomerase activity in B- cell lymphomas*- Proceedings of Romanian Academy Series B, 2008, 10, 169-174, ISSN 1454-8267
- **Anton G**, Anton M, Lăzăroiu A, Pleșa A. - *p16 (INK4A) metthlylation in carcinoma of cervix* , Rom J Genetics, 2006, 2, 43-46,
- Achim R., Plesa A, **Anton G**- *Expression of E7 humanpapillomavirus type 16 gene in a prokaryotic system* –Romanian Journal of Genetics, 2005 1(1), pp27-31,
- Achim R, Pleșa A, **Anton G**- *Sinteza unor proteine recombinante (E7 si E6-E7) ale virusului papiloma uman 16 cu potențială utilizare clinică*–INGIMED 2005, 1, 1– 5,
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- Socolov D, Anton AC, Socolov R, **Anton G**, *Rolul tiparii virale a HPV- studiu pe 78 cazuri*- Rev.Med.Chirurgie Med.Nat. Iasi 2011, 105 (supl), 128-134,
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- **Anton G**, Achim R, Plesa A, Repanovici R – *Is the human papillomavirus DNA present in penile warts?* - Rom J. Virol, 1999, 50, 40-44
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- **Anton G.**, *Retroviral vectors*, Rev Roum Virol. 1994, 45(3-4):193-202.
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ANEXA 2

**Lista granturi
director proiect (ultimii 10 ani)**

| Nr. | Project coordinator | Programm |
|------------|---|--|
| | Up-grading of a center for the study of oncogenesis and viral oncolysis as a therapeutic strategy (ONCOIVN) | POSCCE, Axa prioritară 2 Operațiunea 2.2.1: Proiect 433/21.12.2012 (2012-2015) |
| 2 | Cellular and molecular mechanisms involved in cervical dysplasia regression | PNII 41030 (2007-2010) |
| 3 | Markers for diagnosis and management criteria in cervical HPV infection | CEEX 119(2006-2008) |
| 4 | The methylation profile of genes in cervical cancer - molecular biomarker for monitoring and prognostic | VIASAN 380 (2004-2006) |
| 5 | Correlations between viral and cellular genes in various genital cancers in women | PNCDI -VIASAN 168 (2002-2005) |

responsabil proiect (ultimii 10 ani)

| Nr. | Partner team leader | Programm |
|------------|---|-------------------------|
| 1 | Metabolomics, genetics and epigenetic approach of atherosclerotic processes and risk of cardiovascular disease development in aging. Therapeutic implications | PN II 62053 (2008-2011) |
| 2 | Correlation of clinical, genetic and epigenetic aspects involved in the etiology of Prader Willi / Angelman syndromes: model approach of multidisciplinary rare diseases in Romania | PN II 42113 (2008-2011) |
| 3 | Promoting psychiatric genetics research in Romania through international partnership | CEEX 122(2006-2008) |
| 4 | Experimental studies on transfected human mesenchymal stem cells for the development of innovative therapeutic strategies in glioblastoma | CEEX 176 (2006 – 2008) |
| 5 | The study of genetic stability induced by epigenetic factors in the morphogenesis of mammary tumors: implications for diagnosis and treatment | CEEX 119 (2006-2008) |
| 6 | Integrating the techniques of molecular biology and cytogenetic tests in the diagnosis of tumor splenomegaly - etiopathogenic factors, prognostic and therapeutic implications | CEEX 96 (2006-2008) |